

Form PTO 1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER HIRA.0149	SERIAL NUMBER To be Assigned 10/849,516
	APPLICANT Takahashi et al.	
	FILING DATE 5/20/04 Concurrently Herewith	GROUP 2627

U.S. Patent Documents

Examiner Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

Foreign Patent Documents

Examiner Initial	DOCUMENT NUMBER	FILING DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
B	4-358310	11/28/91	Japan			Abstract	X
	2000-137906	4/2/99	Japan			Abstract	X
	2001-168414	12/3/99	Japan			Abstract	X
	2001-230471	11/22/2000	Japan			Abstract	X
	2002-190630	8/1/2001	Japan			Abstract	X
	03-154217	11/13/89	Japan			Abstract	X
	7-221363	2/1/94	Japan			Abstract	X
	11-509956 *	5/20/97	Japan				X
B	WO 97/44781	5/20/97	PCT			X	

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

B	Jedema et al., "Electrical Detection of Spin Precession in a Metallic Mesoscopic Spin Valve", 2002 Macmillan Magazines Ltd., Letters to Nature, pp. 713-716
B	C. Heide, "Effects of Spin Accumulation in Magnetic Multilayers", 2001 The American Physical Society, Physical Review B, Vol. 65, 05441, 17 pages
B	Liu et al., "Electric-Pulse-Induced Reversible Resistance Change Effect in Magnetoresistive Films", 2000 American Institute of Physics, Applied Physics Letters, Vol. 76, No. 19, pp. 2749-2751

EXAMINER B. Smith	DATE CONSIDERED 2/14/07
--------------------------	--------------------------------

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

* corresponds to WO 97/44781 patent listed above

Form PTO 1449

U.S. Department of Commerce
Patent and Trademark Office

Information Disclosure Statement by Applicant

ATTY. DOCKET NUMBER
HIRA.0149

SERIAL NUMBER
10/849,516

Takahashi et al.

FILING DATE
May 20, 2004

GROUP
~~2627~~ 2627

U.S. Patent Documents

Examiner Initial	DOCUMENT NUMBER	DATE	NAME	CLA SS	SUBC CLASS	FILING DATE

Foreign Patent Documents

Examiner Initial	DOCUMENT NUMBER	FILING DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						Yes	No

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

B	Brataas, Arna, et al., "Spin accumulation in small ferromagnetic double-barrier junctions", Physical Review B, Volume 59, Number 1, January 1, 1999, PP 93-96

EXAMINER

B Smith

DATE CONSIDERED

2/14/07

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

PTO1449